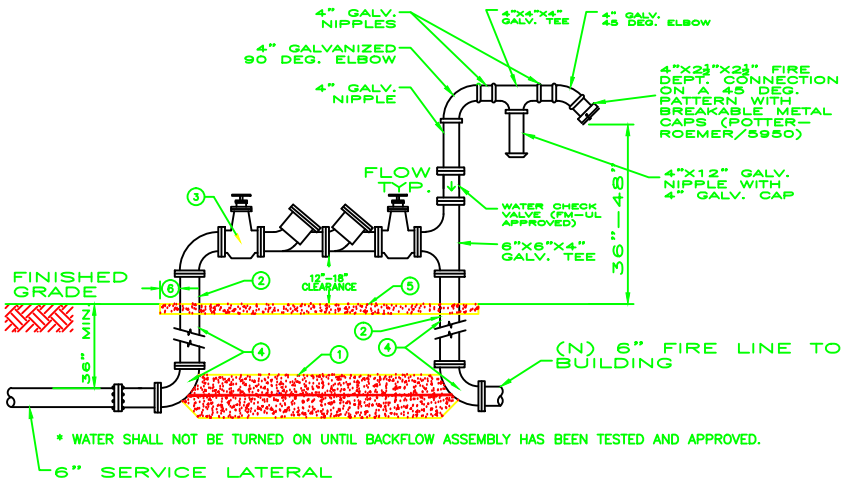

1. CLASS "A" CONCRETE THRUST BLOCK WITH ONE PIECE OF #4 REBAR IN MIDDLE OF CONCRETE.
2. SPOOL OR DUCTILE IRON PIPE WITH UNIFLANGE.
3. 6" DOUBLE CHECK VALVE ASSEMBLY WITH OS&Y RESILIENT WEDGE GATE VALVES. REFER TO CURRENT LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
4. 6" DUCTILE IRON, CLASS 150, WRAPPED IN 8 MIL POLYETHYLENE TO ABOVE FINISH GRADE.
5. 6" CLASS "A" CONCRETE PAD.
6. 12" MIN. (TYP. ALL SIDES). PROVIDE ABOVE GRADE BACKFLOW ENCLOSURE OR BLANKET.

NOTES:

A. ALL FITTINGS AND PIPE SHALL BE DUCTILE IRON AND FLANGED BOLTED WITH TYPE 304 STAINLESS STEEL BOLT ASSEMBLY WITH TEFLON ANTI-SEIZE COMPOUND.
B. ALL PIPE BELOW GROUND MUST BE WRAPPED WITH 8 MIL POLYETHYLENE ENCASEMENT, 10-MIL TAPE.
C. WATER SHALL NOT BE TURNED ON UNTIL DEVICE IS TESTED BY A CERTIFIED TESTER ON PUBLIC WORKS "BACKFLOW TESTERS LIST".
D. INSTALL INSULATED BLANKET OVER BACKFLOW ASSEMBLY. BLANKET SHALL HAVE GROMMETS AND VELCRO CLOSING SYSTEM INSTALLED AT THE TOP.
E. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS AND CUT SHEETS OF ALL PIPE, VALVES, FITTINGS AND APPURTENANCES FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

DOUBLE DETECTOR CHECK ASSEMBLY WITH FIRE DEPT. CONNECTION

NO SCALE

FITTING TYPE		90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END	TEE W/ PLUG	CROSS W/ PLUG	CROSS W/ PLUGS
TYPICAL INSTALLATION								
PIPE SIZE	6"	8.8	4.8	2.4	6.3	8.8	8.8 EA.	8.8
	8"	15.2	8.2	4.2	10.8	15.2	15.2 EA.	15.2

1. NUMBERS IN TABLE ABOVE ARE REQUIRED MINIMUM BEARING AREAS IN SQUARE FEET.
2. THRUST BLOCKS SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE.
3. AREAS GIVEN ARE FOR CLASS 200 PIPE AT 200 PSI TEST PRESSURE IN SOILS WITH 1,200 PSF BEARING CAPACITY AT 3' DEPTH OF COVER. THE SITE SPECIFIC BEARING CAPACITY INCLUDES A SAFETY FACTOR OF 2.
4. THRUST BLOCKS SHALL BE PLACED AGAINST UNDISTURBED SOIL.
5. STRAPS USED FOR ANCHORING PIPE TO THRUST SHALL BE STAINLESS STEEL ONLY.
6. PIPE FITTINGS SHALL BE PROTECTED WITH MINIMUM 8 MIL VISCUINE IN ORDER THAT NO CONCRETE WILL TOUCH THE FITTING OR JOINT UPON THRUST BLOCK PLACEMENT.

THRUST BLOCKS (FIRE)

NO SCALE

T-8 Drawing: 3